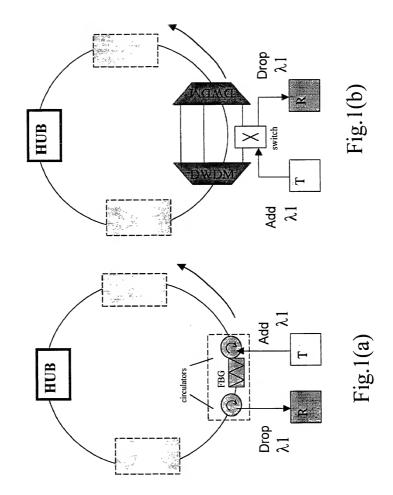
# Conventional Wavelength Add/Drop Techniques



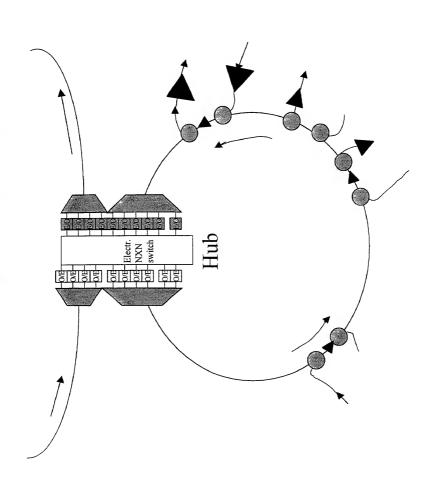


Fig. 2

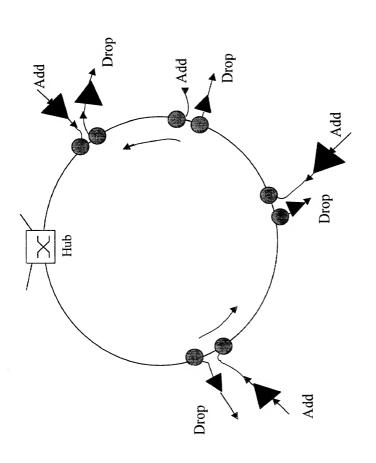


Fig.3(a)

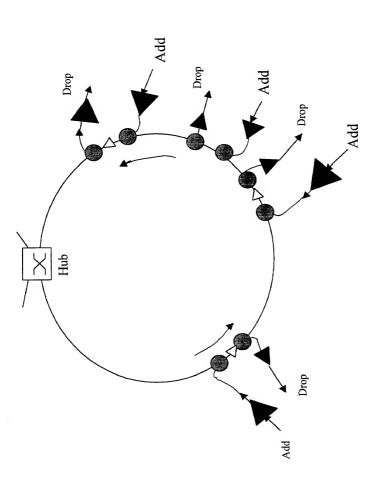
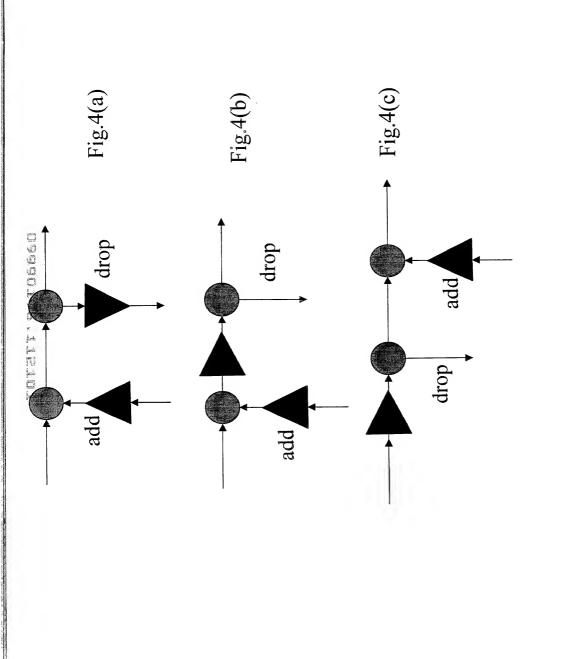


Fig.3(b)



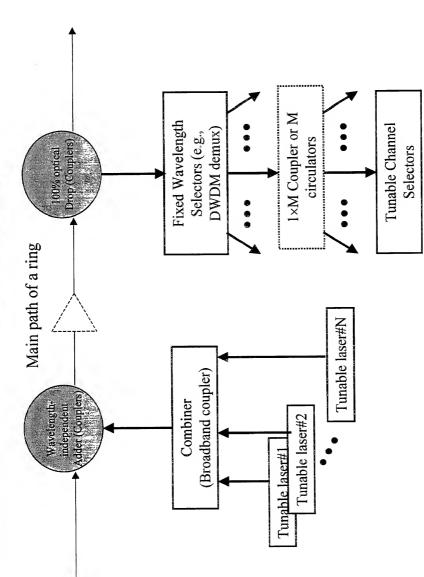


Fig.5(a)

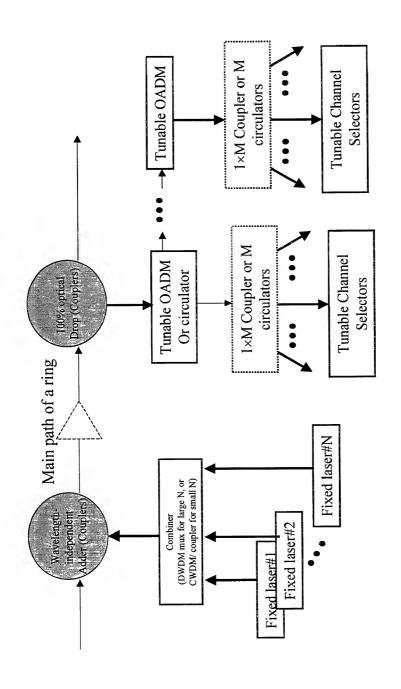


Fig.5(b)

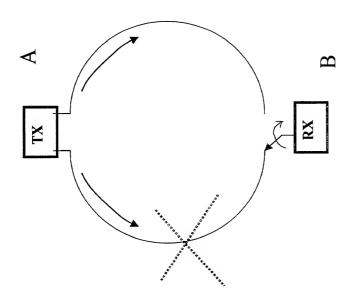
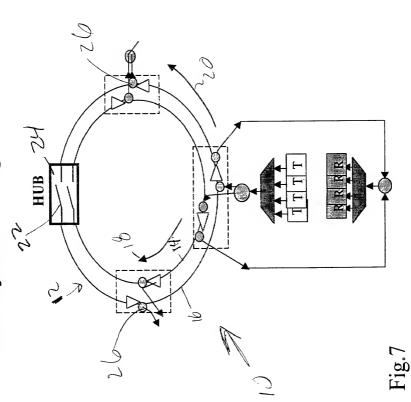


Fig.6

### Metro System Using MetroVista



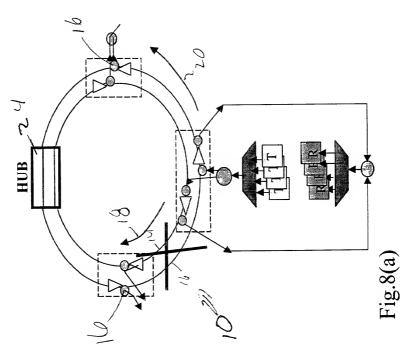
: Mux/demux

: Transmitter

R : Receiver

( : Fiber Coupler

## Protection Scheme for Two Fiber Breaks



: Transmitter

Receiver

( : Fiber Coupler

: Mux/demux

: Transmitter

Fiber Coupler

R : Receiver

### : Mux/demux

## Protection Scheme for Single Fiber Break

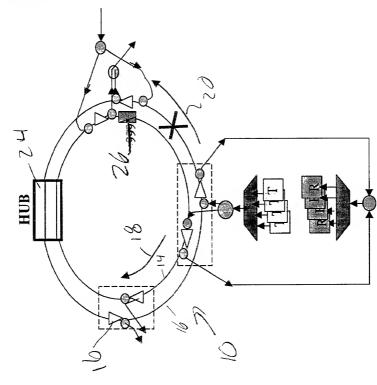


Fig.8(b)

# Protection Scheme for Single Broken Amplifier

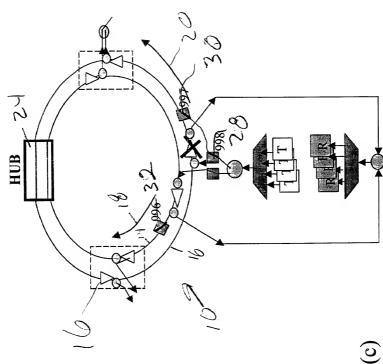


Fig.8(c)

# Protection Scheme for Single Broken Amplifier

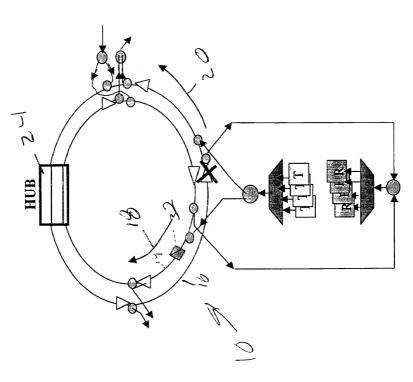
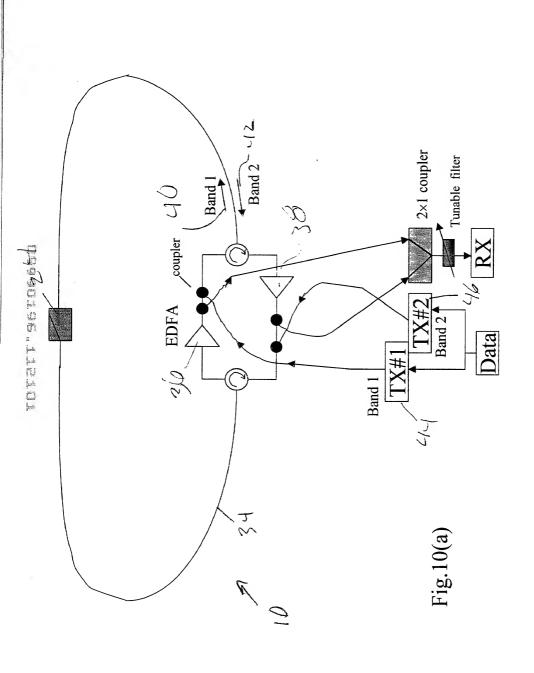
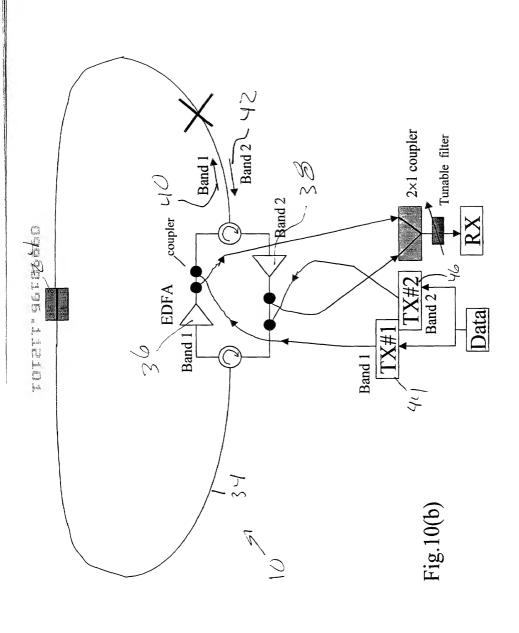
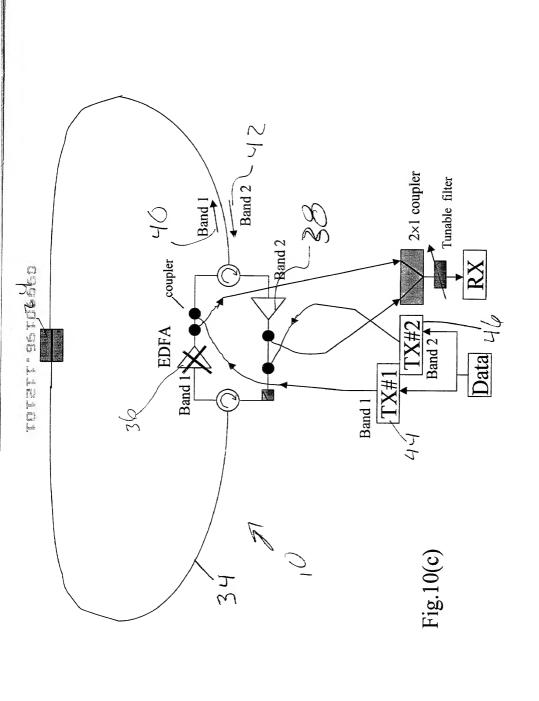
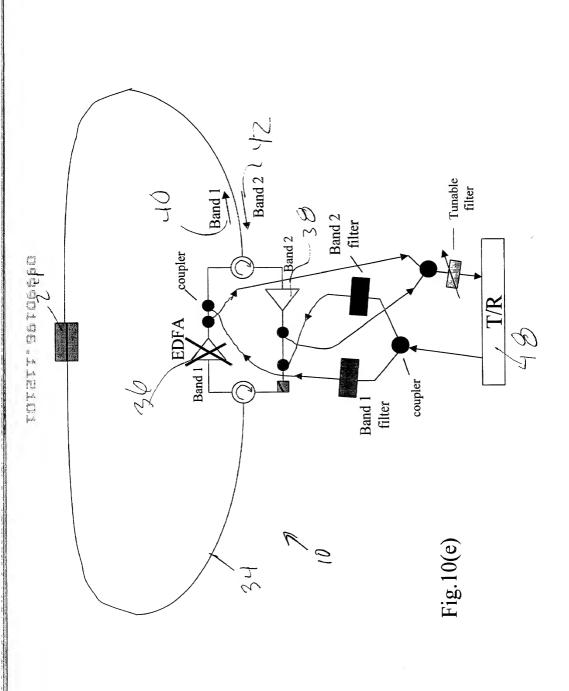


Fig.9









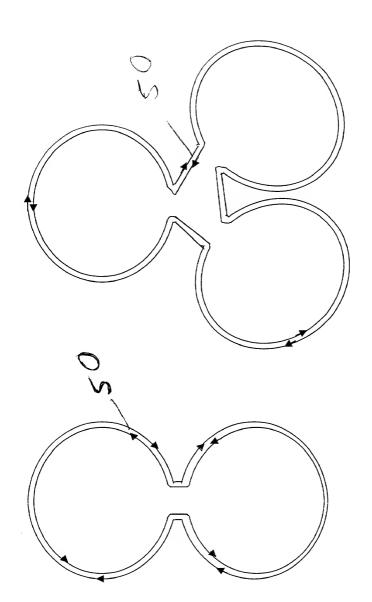


Fig.11

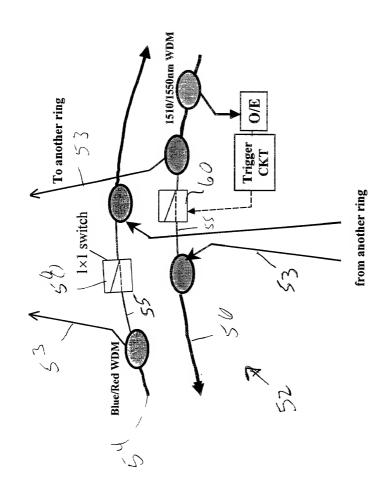


Fig.12

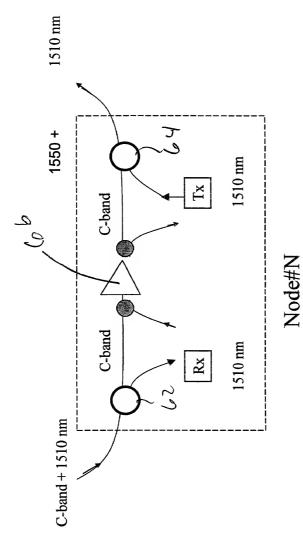


Fig.13

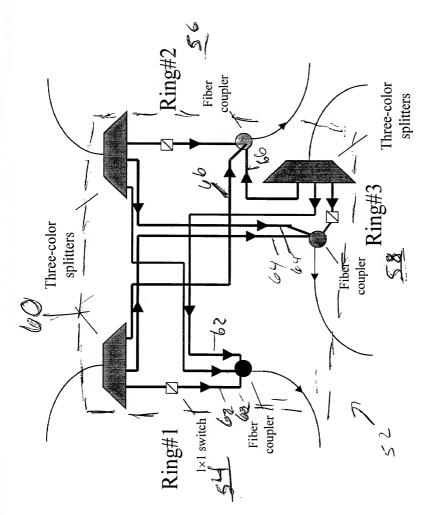


Fig.14